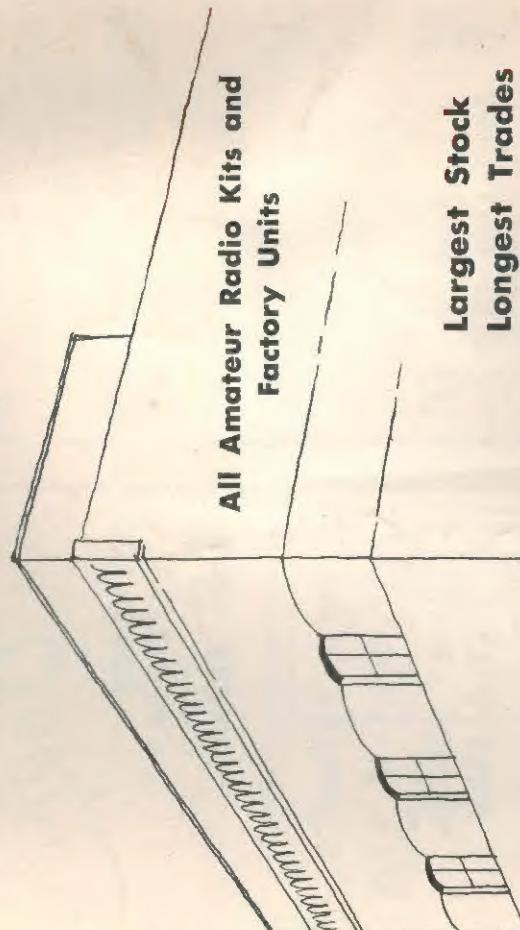


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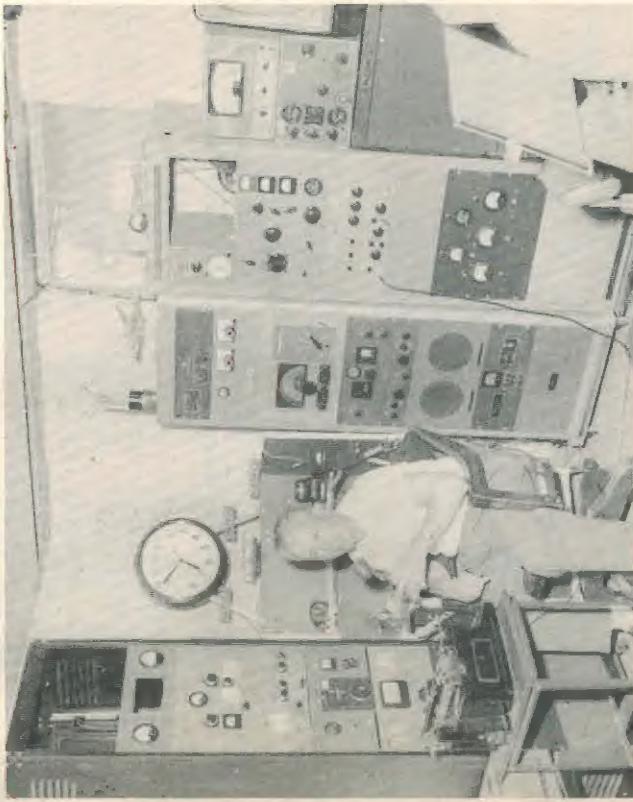
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# Ham Cigar

JULY 1966

PUBLISHED BY  
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W9KJF  
Owner was I.R.C.  
member in 1919

The Indianapolis Radio Club meets on the 2nd and 4th Friday of each month at the Indianapolis Park Board Building located at 29th and Harding Streets. Meetings start promptly at 8:00 P.M. Indianapolis time.

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\* \* \* \* \*

Ama-Chewer is published monthly by and for I.R.C. and all Amateurs in this area. Non-Members of I.R.C. may subscribe at the rate of \$1.00 per year.

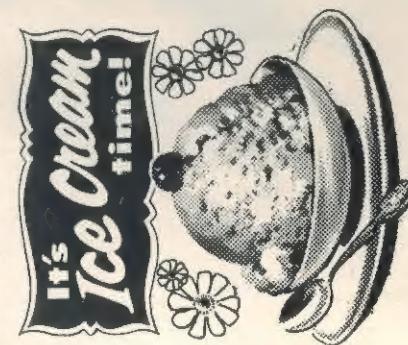
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HOOISER QUEEN ICE CREAM**



Ham-Ads (5 line limit) are free to members and subscribers. Others may use this facility at the rate of 50 cents per ad.

Ama-Chewer welcomes the forwarding of information on coming events of other clubs in the area for publication in the program section.

## PROGRAM SCHEDULE

June 24th SSB by Rolly Boughton, W9PMM, who will explain the hows and whys of the newest mode of transmission in a manner that will make us all start saving our pennies for some new gear. If you want the straight info, don't fail to attend this session.

June 25th & 26th FIELD DAY -- State Fair Grounds on the 42nd Street side. Contact the Chief Op. for schedules and details. Use Main Gate Entrance.

July and August Hope you all have a good time on vacation, spending all the money you saved all winter. There will be no meetings during these months however the Ama-Chewer will be on hand to let you know who, what and where on the local scene.

September thru December We have some dandies planned and will keep you posted as they jell.

\* \* \* \* \*

## THEY ARE STILL AVAILABLE

Per request we were asked to find out if the surplus 2" scopes, which were described at a recent meeting, were still available.

Copy of note sent out on April 4th (for your info.)

Do you still have any APG-15 indicator units for the 2" "Micro Scope" as described in the February 1959 Western Radio Amateur? ? ? ? ?

The reply came back as follows:

We still have these available at \$5.00 each. If you order, please enclose check or money order in the amount of purchase, plus \$1.00 for postage.

K9KCQ, AFA9-KCQ, William G. Bradburn, whose picture is on our cover this month is an old timer and a member of the Quarter Century Wireless Club, by virtue of the fact that he was licensed as W8MSI in 1934 at Logan, W. Va.

Brads main interest in amateur radio at present is in the Air Force MARS program. He was connected with the old AARS in the 20's and since WW II has become active in A.F. MARS. At present he is Indiana State Coordinator of A.F. MARS, reporting direct to Chiefs of MARS at the Pentagon. His responsibilities include coordinating A.F. MARS activities with the CAP, Red Cross and other agencies. He is also in charge of public relations and arranges speakers, displays, etc. in Indiana. Also on occasion he assists state coordinators in other states and travels to various parts of the country by AF aircraft on official business.

Brad has also done a lot of flying as a pilot. Prior to the U.S. entry into WW II he flew a number of B 24's to England for the Ferry Command. He then served a short hitch in the R.A.F. and when Uncle Sam entered the war he transferred to the Air Arm of the Navy.

One night several months ago Brad had the opportunity to assist in a rather serious emergency situation. He was in QSO with a fellow ham from his mobile, when upon rounding a corner he came across a badly wrecked car with the driver seriously injured. Brad called his contact for an ambulance and police, who arrived in a few minutes. While waiting he made the victim as comfortable as possible and saved him many painful moments without help.

As many other hams, Brad also enjoys photography as a second hobby. He has a fine collection of movies and also many valuable pictures of famous and historic aircraft.

He lives with his family at 5030 W. Vermont St., and mobiles his way across town each day to his employment at Chrysler.

\* \* \* \* \*

C and H Sales Company  
2176 E. Colorado Street  
Pasadena 8, California

\* \* \* \* \*

ATTENTION ALL SSB ers

The SSB Net has a new starting time, which is 7:00 P.M. Eastern Standard Time. So take note and don't miss out.

\* \* \* \* \*

Have you anyone in mind for a cover story? Drop us a line and tell us all about the gent or lady and we may let his handsome face light up our cover in one of the coming issues. Only handsome hams can be nominated.

IRC IS YOUR CLUB, SUPPORT IT, ATTEND MEETINGS

I was going to say something about MARS, but that's pretty well covered in this issue. Then I thought I'd echo Dopey Dildock and talk about safety, and then the last issue of QST covered that very well. Guess I could do like the veteran of the Spanish American War who when asked to make a speech at a reunion said "If you want to be seen, stand up. If you want to be heard, speak out. If you want to be appreciated, sit down."

However before I sit down, read the editorial in the June issue of QST, and then show it to the next guy that comes into your shack. Safety is a state of mind, if you don't respect lethal voltages, so long brother, and the guys will look down and say "He did it without thinking."

Remember that old saying, which we will turn about to fit our hobby, "There are old hams, and careless hams, but there are very few old careless hams."

\* \* \* \* \*

#### 26TH ANNUAL HAMFESTERS PICNIC AND MOBILE MEET

A set of advanced tickets to the 26th Annual picnic and mobile meet, put on by the Hamfesters Radio Club of Chicago are available through your Editor.

They are offering a Gonset G-76, a Globe Electronics "Mobiline"-6, and many other prizes, and winners need not be present to win the loot.

Advance tickets are \$1.00 with the fee being \$1.50 at the gate. The shin-dig starts at 10:30 A.M. and I have a complete map and directions for those of you who plan to attend.

\* \* \* \* \*

NOW IS THE TIME	#\$X&*#¢%	LETS ALL TURN OUT
6M FIELD DAY	40M	FIELD DAY 80M
STATE FAIR GROUNDS	Fone	SEE CHIEF OP.
POSITIONS OPEN	USE MAIN GATE	LOGGERS NEEDED
CW	FUN FOR ALL	GET WITH IT MAN
JOIN THE GANG	EATS	FUN
See you There		
Hail Hail the Gangs all there		
Don't Miss Out		

On November 26th, 1948 the Secretary of Defense announced the implementation of the Military Amateur Radio System, MARS, a joint project of the Air Force and the Army under the direction of Major General Frances L. Ankenbrandt, and Major General Spencer B. Akin.

MARS, is in effect the reactivation of the pre-war Army Amateur Radio System (ARRS), so familiar to old-timers.

Primarily, the purpose of MARS is to create interest and further training in military communication, by co-ordinating amateur radio procedure with military procedure, and in so doing will provide an additional source of trained communications personnel in the event of a national emergency. While the MARS program is military in concept, it is being executed by personnel who are both soldiers and radio amateurs. In other words it is a program conceived and executed to be not only palatable to the amateur but of tremendous direct and indirect benefit to the country.

A change in membership policy was effected in 1950 permitting civilian amateur radio operators to join the organization, which prior to this time had been limited to units of individuals in active military service.

As a result of the increased activity and interest on the part of the civilian amateur, the age limit for membership was lowered from 21 to 16 years, effective in 1953.

In 1956 selected courses of the U.S. Air Force Extension Course Institute, Air University, were made available to qualified Air Force MARS members to enable them to review and further their training in communications electronics.

MARS members utilize all modes of transmission, but are encouraged to go SSB. There are regular nets for each mode, ie. ssb, am, rtty, and cw, for training and traffic. Technical nets delve into the more complex phases of altering equipment for specific or versatile applications. There is also some experimentation with facsimile and television conducted by interested MARS members.

\* \* \* \* \*

THE LOCAL ARMY MARS GANG

In the Indianapolis area the following amateurs are active in the Army Mars operations, BUQ, HLR, IDI, JGJ, MGV, OOA, PPB, QJO, STA, SVA, SCV, TQC, USE and VNV. These fellows take advantage of excellent CW practice transmissions on 3245, 4025, 4820, 5217 and 49.940. They can also be heard operating from on 4025 and 49.940, as well as other frequencies dedicated to RTTY and SSB. Anyone interested in joining the group should contact Charles G. Hoffman, A9-ZHL at his QTH, 3945 Hollywood Ave., Terre Haute, Indiana.

\* \* \* \* \*

DOPEDY DILDOCK SAYS

Nawl I never lock my car just because I have a mobile rig sittin up front, nobody would ever know what it was, so they would never steal it!!!!!!

\* \* \* \* \*

WE HAVE FOUND THE PLACE

If your receiver has been acting up and you dread tackling the IF and RF and all the rest of those hard as heck items that just never seem to align, then we have found the answer for you.

Bob Ricketts, W9AMB, who lives at 6448 N. Broadway here in Indpls. is an authorized service agent for Hallicrafter, National and Hammurlund receivers and transmitters. Bob has a well equipped shop, to test and repair all amateur gear. Bob is also the holder of a Commercial Radio Telephone 2nd ticket which permits him to service Citizen Band gear, which we amateurs "ain't supposed to touch."

A call to Bob at CL 1-8070 after 6PM will get you the info. you need, so that your old box of iron will, after a complete check-up, hear those signals that seemed to have just faded away.

If Nelda, the real boss of the QTH, answers the phone, don't worry about confusing her with terms and descriptions if you leave word for Bob, as she is also a "ham" with the call W9IES.

\* \* \* \* \*

KEEP US IN MIND

Later in the summer you will receive in the mail a postal card from the Ama-Chewer staff, which will be asking for a little info. (No, we haven't a job for you. Ed.)

The information will be used in a later edition of the paper and we mention it here so that the card won't hit file 13 by error. We are even going to splurge and paste a stamp on the return. Don't forget us!!

The Annual Swap and Shop was a bigger and better show than ever, as the photos below will show.



In case someone stepped on your pet corn during the evening, you might be interested to know that we had over 125 bargain seeking Hams in one place at one time.

The raffle was also bigger and better than ever, with Bob Caskey, W9DNQ winning the Millen Grid Dipper (see photo of those two handsome dogs above.)

Twenty years ago a commercial transmitter or kit was almost unknown. A Colpitts or Hartley circuit made up the oscillator using either a 201-A, 227, 45 or the old standby the 210. Some of the gang were using a self excited (11) tube transmitter or the newer MOPA. This Master Oscillator Power Amplifier was the beginning of buffer and doubler stages to get more power on higher frequencies. Crystals were still new, expensive, newfangled, and not to be trusted. A few used an aluminum kettle to cover the oscillator for shielding, but for the most part everything was still bread-board.

AC was being used on the filaments and it is still a sight in the writers eyes to see the two Christmas tree lamps, which were hooked in series across the filament leads to form a center tap, which lite when the key was depressed. These lamps served both to indicate the amount of current by their glow and to act as fuses if the plate in the 201-A blew out. Oh Yeah, the filament transformer was usually a electric train transformer which allowed increasing higher filament voltages as the 201-A filament became deactivated. The train transformer having no center tap dictated the need of the cheap and plentiful supply of Christmas tree lamps to form the artificial center tap.

The power supply for the transmitter was varied, with a great many stations using "Slop Jar Rectifiers". The supply consisted of a hard to come by transformer and a box of slop jars. These slop jars were the aluminum lead type using mason jars filled with a borax solution to rectify the AC. The creeping of the borax solution over the top of the jars easily earned the name "Slop Jar Rectifiers". The greenish glow of these rectifiers when seen in the dark was a sight to behold. The large mercury rectifiers with the starting well built in (no filament) were a sight to behold as it emitted its purple glow, dancing with the load. Fire and brimstone indeed.

The lowly 80 and the half wave bigger brother the 81 were the versions of the day. The transformers mentioned above were not shelf items, but had to be made almost to order and the handbook contained quite a bit of data to design and build your own.

June 2, 1960

AmaChewer Editor  
Indianapolis, Ind.

The Tech High School Radio Club has been having a very successful and busy twentieth year. Of the twenty-four members in the club, eight have calls and three are sweating out the FCC and the postman.

The club station W9HFAQ is now on two through eighty and is going after WAS with a DX-100 and a Seneca. The beams have been overhauled and the six meter five element changed from a "T" to a "Gamma" match.

A new display case has been installed to hold the QSL cards of former members who received their calls while in Tech. Also the console has been enlarged by adding a shelf to hold the speaker, converter, control boxes and other small components.

The members with calls are:

K9PDE.....President  
K9MXK.....V. Pres.  
K9PGK.....Asst.Cf.Op.  
K9VDM.....Chief Op.  
Janet Worth NC.....Secretary  
Kn9VCD.....Treas.  
Kn9VSD.....Sgt./Arm  
Kn9WKM.....Member  
Kn9WSF.....Member

The club members extend an invitation to all Hams to visit our Shack in Room 580, Morgan Hall. The meetings are held from 3:30 to 4:30 every Friday.

73  
G. E. Bramblett, W9POF  
Sponsor

The lowly 80 and the half wave bigger brother the 81 were the versions of the day. The transformers mentioned above were not shelf items, but had to be made almost to order and the handbook contained quite a bit of data to design and build your own.

\* \* \* \* \*

THANK YOU, THANK YOU, THANK YOU

We are indebted to Bob Good, K9PPB and Bill Bradburn, K9KCQ for all the info. on the MARS operations in this area. Anybody else care to step forward with some words of wisdom?

\* \* \* \* \*

Things operate a little differently in the MARS organization when it comes to call letters and phonetics which can become very confusing to the rest of the amateurs unless they understand just what is going on.

In Army MARS a W9 call becomes A9, a K9 call becomes AA9, while in Air Force MARS a W9 call is AF9 and a K9 call is AFA9, all followed by their regular FCC call letters. Military phonetics are used at all times, Alpha, Bravo, Charlie, Delta, Echo, Foxtrot, Golf, Hotel, India, Juliett, Kilo, Lima, Mike, November, Oscar, Papa, Quebec, Romeo, Sierra, Tango, Uniform, Victor, Whiskey, Xray, Yankee and Zulu.

\* \* \* \* \*

PRICE ?

There is hardly anything in the world that some man can not make a little worse and sell a little cheaper and the people who consider price ONLY are this man's lawful prey.

John Ruskin

Written a long time ago, but it sure holds true today when it comes to buying amateur gear and parts. Price is not everything but even in this day of big deals, we still get just what we pay for.

\* \* \* \* \*

#### THE LOCAL AIR FORCE MARS GANG

The local amateurs who participate in the Air Force MARS activities are AHD, AYI, EJF, IJD, JSF, JVJ, JZV, KCQ, KQJ, KKF, LAQ, MAN, PUI, QHN, RSN, SFU, SJF, SUX, SWD, TT and VPN.

You can find these fellows using 49.980 and 143.950 for the VHF nets: 4450 for the week-day training nets and 7305 for the Technical nets.

You are invited to listen in, but remember you cannot break into the nets for obvious reasons, however if you find that you would like to join them, they will be glad to furnish you with the necessary papers, info., etc.

\* \* \* \* \*

#### SUMMERTIME BREAK FOR THE STAFF

During the summer months the Amachever staff is going to join the rest of you guys and gals and spend some time resting under the shade of the old apply tree. However we feel that we can get up enough energy to get the paper out on schedule if we cut it back to 12 pages. Sooo the August issue will be lighter than usual.

#### THE KIDS AT BLIND SCHOOL TAKE EXAMS

The code school conducted by the IRC for the students at the Blind School ended Wednesday, May 25th. At that time FCC tests were given to Steven Spiker, Harriett Heiney, Raymond Warren and Kay Houchin. These students passed with flying colors and are now awaiting receipt of calls.

In the fall we are hoping to be able to conduct a novice class again, as well as an advanced class so that the current crop of novices can get their General Tickets.

The code school was headed by Bob Caskey, who arranged a schedule of teaching nights for the following participating teachers, Alvey Pittman, Pat Husk, Bob Caskey, Doyal McVicker, T. G. Lucas and Bob Osterhous. Many thanks for a well done job, which is one of the reasons, Ham Radio is so great.



Acknowledgment and thanks for equipment go to Bill Sinclair for a AC code oscillator and to R. M. Kinnett, Bob Caskey and Bob Amunrud, who furnished transistor oscillators. Amunrud also furnished six keys, which were polished and mounted on Masonite bases by Bob Annis and Caskey.

It has been a gratifying experience to all who have worked with the students and they have expressed their delight in having been a part of this club project.

Next season we will be looking forward to having your help in getting these youngsters on the air.

## SPLATTER

## ATTENTION ALL IRC MEMBERS

Earl Lemme, W9VVT, principal of the Carmel High School has a new HT-37 Hallicrafter Exciter and a pair of 813's in a final amplifier.

After 15 months K9IUE returned to 6M, and was welcomed by a K9V, who proceeded to explain the hows and whys of local operation to this new comer.

"Sunshine" Brouse, K9JSF, has traded in a SB 10 for a Central Electronics 10-A. (Whats the scoop old buddy? Ed.) Winston Hunter, K9DWT has joined the gang with a new 6er, which makes him about number 99 on the hit parade, of powerful little brown boxes.

Did you hear about the doughnut that said to the big three layer cake, "If I had all your dough, I wouldn't be hanging around this hole." (Whew!! Pub.)

Confession: the reason we didn't list the names and calls of the lads who won the 24 hour clock, soldering iron, resistor sub. box, capacitor sub. box, and two plastic parts boxes at the Swap and Shop, your humble editor listed the info. and then used the other side of the paper to give a lovely blonde his phone number. (She left town).

A tip of the lid to Grahams and VanSickle for their fine cooperation in helping us with the Swap and Shop. When they empty our pockets selling us all that beautiful gear, we hate em, but in the end they always seem to be on our side.

Ed Ward, K9CRS is the proud papa of a new KWM2.

K9SER can be found buzzing around town most any time of the day or night operating 6M with his 6er and a halo.

Tech Topics and Our Advertisers will be back next month, in there usual space, this month we just plum ran out of space.

Central Indiana Mobile Radio Club annual picnic will be held at Riley Park in Greenfield, Ind. on July 10th. Prizes with tickets going for \$1.00, available from members or at the park--Starts at noon.

\* \* \* \* \*

## GOONEY BOX SKED

The gear is all booked up through August 12th, but if you plan to use it for a late summer vacation, or for that fall trip down to the Big Smokey Mts., you had better get your bid in now. Contact the Chief Op.

\* \* \* \* \*

All members who plan to operate one of the rigs at the clubs Field Day site on June 25th and 26th must have their amateur ticket in their possession. So if you are planning to join in on the fun, don't goof up on this, as you will have to make a second trip before you can handle a mike or key.

Although not compulsory we urge all members to bring a QSL card so that they may be posted on the operations bulletin board.

\* \* \* \* \*

## MARS BIDS YOU WELCOME

MARS Hqs. station WAR/AIR located on the Concourse of the Pentagon, Washington, D.C. operates 24 hours 7 days a week. Visitors are always welcome. Those who can furnish proof of a General or higher class amateur license may operate equipment when scheduled operations permit.

MARS also invites amateurs throughout the world to participate in Armed Forces Day amateur radio activities on the third Saturday of May each year.

\* \* \* \* \*

## JUST IN CASE

Just in case you haven't heard the word, or didn't read the docket in the June issue of QST (if you don't subscribe--why not?) the assignment of the lower 100kc. of the 50mc and 144mc bands has been officially set up for A1 emission, effective June 6th, 1960. So if you don't plan to work some CW on 50 and 144, now is a good time to peddle those rocks that you once prized, and start climbing up the bands. Wonder if we will ever work our way up to 54mc, before our Uncle takes it away from us.

\* \* \* \* \*

We wish to welcome the following new members into the club.

Cleo B. Clingerman, K9PDP - Bob Kiefer, K9JKH  
Ken Brabec, K9SGV  
Ray Forbes, Sr., W9HNS  
Everette Waites, K9OWP

\* \* \* \* \*

## A HELPING HAND IS NEEDED

As covered in another article in this issue, you know that the code school at the Indiana State School for the Blind has concluded for the summer. Plans are under way to set up a station at the school, and like all novices the big problem is finding the right gear at a price that doesn't prohibit the use of their new knowledge. The club would like very much to have any information on surplus CW transmitters in the 60 to 75 watt class. Needless to say we would gladly accept one as a gift. We are thinking along the lines of a middle range receiver, which as we all know must be able to do the job, or it just becomes a killer of enthusiasm.

The station would be at the school, in a provided place, plans for which are already under discussion. You will hear more of this as the plans firm up, however if you feel that you are able to help get the show on the road, contact Bob Caskey and he will be more than glad to hear from you.

\* \* \* \* \*

## GRAHAM'S SPECIAL FOR THE MONTH

Gonset G-50---Brand New	\$275.00
Johnson Pacemaker	\$299.00
Johnson Valiant	\$299.00
National NC 109	\$127.00
Gon-Set Communicator III	6 meters
Hammarlund HQ 110	\$225.00
Collins KWM 1	\$189.00
National NC 300	\$650.00
	\$279.00

\* \* \* \* \*

## AM I ELIGIBLE TO JOIN MARS? ??

The answer is YES if you—

\* Are 16 years of age or older.

\* Hold a valid amateur radio license issued by the Federal Communications Commission. Mars membership runs concurrently with the term of your FCC ticket and must be renewed or modified when your amateur ticket is renewed or modified. Expiration or revocation of your amateur license automatically terminates your MARS membership.

\* Possesses a station in operation capable of operating, or can be modified to operate, on at least two MARS frequencies with an accuracy of frequency within one hundredth of 1 percent (0.01%).

## HAM ADS

WANTED	Used DX-20 or DX-40 ,	State Price and Condition
		Gerry L. Hodson CH 4-4973
FOR SALE	Heath F. M. Tuner, Model FM-4 wi/A.F.C. Fine construction, excellent condition.	Bob Osterhous, W9PSE CL 5-1849
FOR SALE	20M 3 El. Mosley Beam VPA 20-3 Heath DX-40, Excellent Cond.	\$ 25.00 \$ 50.00
	Heath, Model VFI, VFO	\$ 14.50
	Hallicrafter SX 71, Double Conv. 80 thru 6 -- Like New Condition	\$125.00
	Brush BK-401 Tape Recorder	\$ 50.00
	Ed White K9MSB TU 1-4566	
FOR SALE	Communicator III, 6M with Gonset VFO, (both with warranty cards), whip and mount, coax, 600DL or 102C mike, four crystals, mobile mount, 110V and 12V cable, Excellent Condition	\$300.00
FOR SALE	Larry Goodrich, W9HTK Johnson Viking Adventurer, Perfect Cond.	
	Perfect Novice Xmtr, 50 power packed Wattis	\$ 40.00
	Dave Mills, Kn9SOP CL 1-2319	

W9VVX Has been transferred to Pittsburgh.

All gear including Gonset Communicator III, beams, parts, color TV, Hi-Fi equipment will be offered for sale at bargain prices.

Please call on week-ends only.

Jack Hofeld, W9VVX  
TI 9-2395

\* \* \* \* \*

## PROGRAM ANNOUNCEMENT FROM LILLY RADIO CLUB

July 20th at Lilly Auditorium, 740 S. Alabama at 7:30 P.M.  
Colored movies and talk on DXpedition to GALAPAGOS  
ISLANDS by W8MXS.

\* \* \* \* \*

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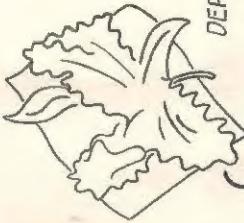


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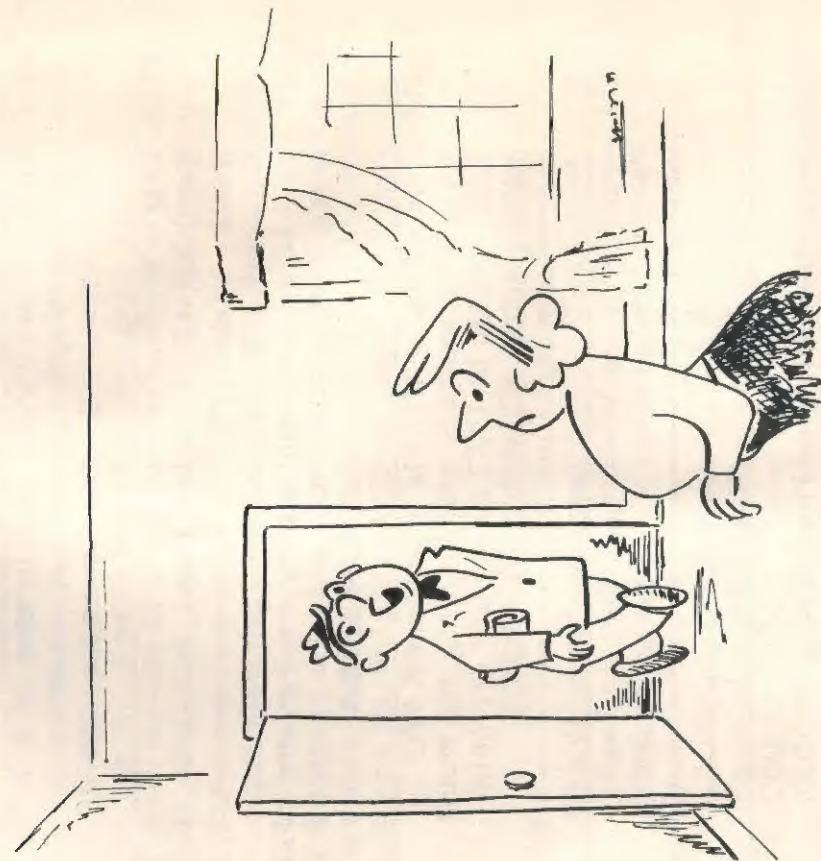
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